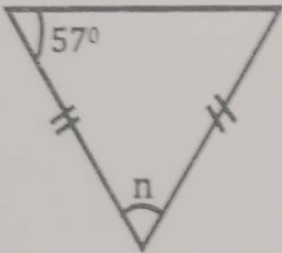
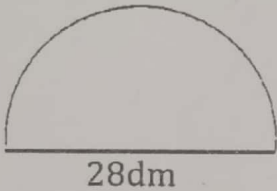


SECTION A (40 MARKS)

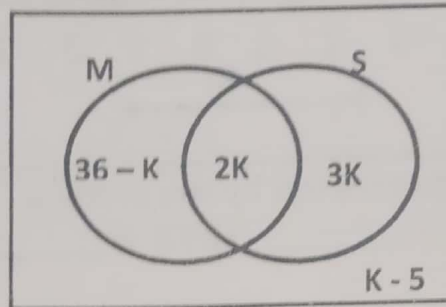
1.	Workout: $98 - 43$	2.	Write DLIX in words.
3.	Draw a Venn diagram to show $P \cap Q = Q$	4.	Simplify: $-5 - +5$
5.	Use a ruler, pencil and a protractor only to draw an angle of 55° .		
6.	Round off 59.86 to the nearest tenths.	7.	Simplify: $\frac{3}{5} (30n - 10)$

8.	Find the least number such that when divided by 6, 2 remains and when divided by 8, 4 remains.	
9.	Workout: $143_{\text{five}} + 42_{\text{five}}$	10. Use distributive property only to workout $(38 \div 4) - (14 \div 4)$
11.	Below is an isosceles triangle. Workout the value of n in degrees. 	
12.	Find the next numbers in the sequence below. 7, 9, 12, 17, 24, _____, _____	13. If $m = 4$, and $n = 6$, find the value of $mn + n^2$

14.	Write 167.04 in expanded form using exponents.	15.	What is the 18 th triangular number?
16.	Workout the perimeter of the figure below. 		
17.	After covering $\frac{7}{12}$ of the journey, Lutu still had 25km to go. How long was the whole journey?	18.	Use a dial to work out the value of $2 - 5 = \underline{\hspace{2cm}}$ (mod 7)
19.	Write "a quarter to 2 o'clock in the evening" in a 24 hour clock system.	20.	The head boy is 6 years older than the head girl. If their total age is 24 years, how old is the head girl?

SECTION B (60 MARKS)

21. The Venn diagram below shows the number of teachers who teach Maths (M) and Science (S). The number of teachers who teach Mathematics is equal to the number of teachers who teach Science.



- (a) Find the value of K .

(3mks)

- (b) How many teachers do not teach science?

(2mks)

22. A parent deposited shs. 600,000 in a bank that offers an interest of 10% per year.

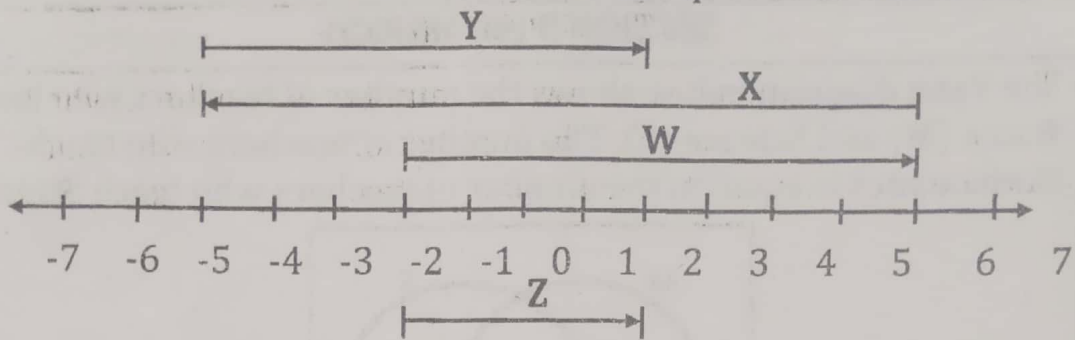
- (a) Calculate the interest the parent will get after 4 months.

(2mks)

- (b) Find the amount of money the parent will have in the bank after 4 months.

(2mks)

23. Use the number line below to answer the questions that follow.



(a) Write the integers represented by the arrows.

(i) $W =$ _____ (ii) $X =$ _____

(iii) $Y =$ _____ (iv) $Z =$ _____ (1mk each)

(b) Write the mathematical sentence for the arrows shown on the number line above.

(1mk)

24. A coat and a shirt costs sh. 24,000, a coat costs three times as much a shirt.

(a) What is the cost of a coat?

(b) How much will one pay if he buys 2 shirts and a coat?

(3mks)

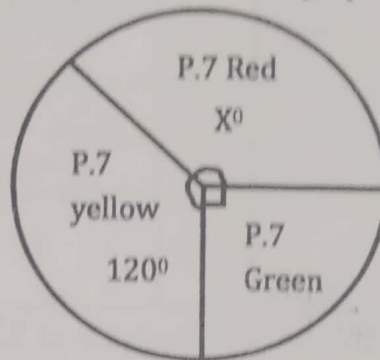
(2mks)

25. The table below shows how YY bus moved from Kumi to Kampala

Town	Departure	Arrival
Kumi	12:00 noon	
Mbale	12:45p.m	12:30p.m
Tirinyi	1:40p.m	1:30p.m
Iganga	3:00p.m	2:45p.m
Jinja	4:20p.m	4:00p.m
Kampala		5:30p.m

<p>(a) For how long was the bus in Iganga?</p> <p style="text-align: right;">(1mk)</p>	<p>(b) In which town was the bus at 4:05pm?</p> <p style="text-align: right;">(1mk)</p>
<p>(c) If the total distance from Kumi to Kampala is 330km. calculate the average speed of the YY bus for the whole journey.</p> <p style="text-align: right;">(3mks)</p>	
<p>26. Use the diagram below to answer the questions that follow.</p> <div data-bbox="178 1021 713 1223" data-label="Diagram"> </div>	
<p>(a) Workout the value of P.</p> <p style="text-align: right;">(2mks)</p>	<p>(b) Calculate the area of the shaded part.</p> <p style="text-align: right;">(3mks)</p>

27. The pie chart below represents 120 pupils in P.7 streams in a certain school.



- (a) Find the value of X .

(3mks)

- (b) What percentage of the pupils are in P.7 green?

(2mks)

28. Using a ruler, pencil and a pair of compasses only, construct a triangle ABC in which line $AB=6\text{cm}$ angle $CAB=30^\circ$ and angle $ABC=120^\circ$.

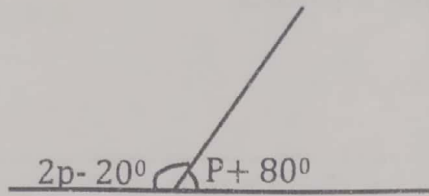
(4mks)

- (b) Measure line BC.

(1mk)

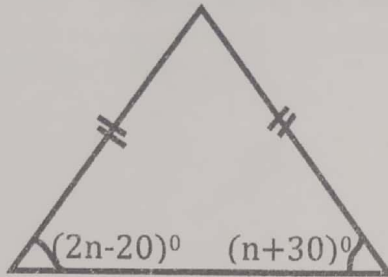
31.
(a)

Use the figures below to find the values of the given letters.



(3mks)

(b)



(2mks)

32.

A man spends $\frac{1}{4}$ of his monthly income on food, $\frac{1}{3}$ on rent, $\frac{1}{6}$ on fees and saves the rest.

(a)

What fraction of his monthly income does he save?

(b)

If he saves sh. 60,000. What is his monthly income?

(2mks)

(3mks)

GOOD LUCK